

~~TOP SECRET~~

Approved For Release 2007/01/17 : CIA-RDP81B00879R001000060021-6

OXC 2056
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7 August 1961

MEMORANDUM FOR: Mr. John Parengosky, Chief, IB/DPD/DDP

SUBJECT: Air Base Determination with OXCART System Photography

25X1A

1. Request a cable, essentially as follows, be sent to [redacted]
[redacted] of Perkin-Elmer Corporation:

a. [redacted] REQUIRES INFORMATION ON HOW THE AIRBASE BETWEEN STEREO
PAIRS MAY BE DETERMINED ACCURATELY. BELIEVE PRESENT PLAN FOR DATA CHAMBER
INCLUDES A CLOCK WITH SWEEP SECOND HAND, BUT READOUT ACCURACY WOULD NOT
BE BETTER THAN PLUS OR MINUS ONE SECOND.

b. QUESTIONS:

- (1) HOW ACCURATE WILL VEHICLE PROVIDE GROUND VELOCITY?
- (2) IS CAMERA CYCLE PERIOD A FUNCTION OF SCAN TIME? IF SO, TO WHAT
ACCURACY COULD TIME BETWEEN EXPOSURES BE ESTABLISHED BY ANALYSIS
OF SCAN TIME DETERMINED FROM TIMING MARKS?
- (3) ARE THERE ANY OTHER PROCEDURES AVAILABLE FROM FLIGHT DATA TO
DETERMINE AIRBASE OTHER THAN KNOWING PRECISE VEHICLE VELOCITY
AND PRECISE TIME BETWEEN STEREO PAIRS?

2. As soon as reply is received please ensure that [redacted]
or [redacted] of NPIC receive a copy via regular dissemination channels.

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[redacted]
Operations Officer
National Photographic Interpretation Center

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